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Research News

August, 1979
VOLUME 12 NO. 2

Office of Research Services
Wright State University
Dayton, Ohio 45435

ANNOUNCEMENTS OF GENERAL INTEREST

Directory of Faculty Research Interests

The Office of University Research Services will provide on request the following publication "Directory of Faculty Research Interests." This Directory has been updated to include faculty as of June 15, 1979. Please call extension 2425 if you want a copy of this publication.

Proposal Deadlines and Closing Dates

Investigators submitting proposals should pay special attention to closing dates for receipt of applications at funding agencies. In many agencies proposals that arrive late are not considered for review and must either be resubmitted or are carried over to the next closing date. Obviously, this delays the anticipated starting date of the project. Some agencies will accept applications by mail that are postmarked no later than the closing date, even though the proposal may arrive later. Generally, federal agencies will accept late proposals provided:

- (1) it was sent by registered or certified mail not later than the fifth calendar day prior to the closing date;
- (2) it was sent by mail and it was determined by the Government that the late receipt was due solely to mishandling by the Government after receipt at the government installation.

In order to ensure sufficient time for internal processing of a proposal, investigators should have their final proposal in the Office of University Research Services at least 10 working days before the closing date. This will allow sufficient time to obtain budgetary review and authorized signatures, copying, packaging and mailing by certified mail.

Special Courier Services

Special courier services, such as Federal Express, provide fast (usually overnight) delivery of applications and proposals to agencies, but at relatively high costs. Recent budget constraints now make it difficult for University Research Services to absorb these costs. Utilization of special courier services to meet submission deadlines will be reviewed on a case-by-case basis. Payment for these costs may be referred back to the Principal Investigator, or the Department, or College where the proposal originated. Therefore, we suggest proposals be received by University Research Services in ample time to meet agency deadlines.

Proposals Involving Recombinant DNA

The current NIH Guidelines for Research Involving Recombinant DNA molecules, The Administrative Practices Supplement, and announcements of modifications and changes to the Guidelines are available from the Office of Recombinant DNA Activities, National Institutes of Health, Bethesda, Maryland 20205.

Grant application forms are being revised to include a check block indicating whether or not recombinant DNA research subject to NIH Guidelines is involved. Until such time as these forms are available, the applications concerned should show in capital letters at the bottom of the first page "THIS APPLICATION INVOLVES RECOMBINANT DNA RESEARCH SUBJECT TO NIH GUIDELINES." Labeling the face page of the application will assist in expediting the processing of the application.

Research Patient Care Costs Supported by NIH Sponsored Agreements

The National Institutes of Health policy provides funds for the cost of research patient care through its various sponsored agreements. Research patients may receive routine services in discrete centers or scatter bed environments. Such patients may also receive various ancillary services either as inpatients or outpatients. With certain specific exceptions, patient care costs whether expressed as a rate or amount are subject to negotiation by authorized staff of the Divisions of Cost Allocation in the ten Departments of Health, Education, and Welfare Regional Administrative Support Centers.

In addition to this policy statement detailed information is available concerning allowable patient care costs under sponsored agreements and methods for computing research patient care costs chargeable to sponsored agreements.

This policy is effective for all grants having budget period dates beginning on or after July 1, 1979.

EXTRAMURAL FUNDING OPPORTUNITIES

For further information concerning these listed opportunities or information in general concerning grants and contracts, call the Office of University Research Services, Room 222 Allyn Hall, Phone 2425 or 2426.

When requesting information on listed opportunities, refer to the number on the left of each listing.

2-1 NATIONAL INSTITUTE OF DENTAL RESEARCH - DEADLINE NOVEMBER 1, 1979

Fluoride Research Grant Applications

The emphasis of this program announcement is upon basic and clinical research opportunities dealing with (1) nutrition - fluoride interrelationships, and (2) effects of fluoride on biological systems.

- 2-2 NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT - DEADLINE NOVEMBER 1, 1979

Maternal Smoking and Pregnancy Outcome

This announcement highlights the special interest that exists to determine if observed alterations in the developing fetus of a smoking mother are indicators of processes which may be detrimental to either the immediate or long-term health of the fetus and child.

- 2-3 NATIONAL INSTITUTE ON AGING - DEADLINE NOVEMBER 1, 1979

Function of the Aging Musculoskeletal System, Biophysiology and Pathobiology Program

A program of research on function of the musculoskeletal system in the elderly can properly address the areas of prevention, diagnosis, treatment and rehabilitation. Applications are invited that utilize either animal models or clinical studies to investigate areas in the function of the aging musculoskeletal system.

- 2-4 NATIONAL INSTITUTE ON AGING - DEADLINES FOR RESEARCH GRANTS - NOVEMBER 1, 1979
TRAINING GRANTS AND FELLOWSHIPS- OCTOBER 1, 1979

Immunology Program - Molecular and Biochemical Aging Program

An expansion of grant-supported research and training in immunology is currently being sought. The objectives of the Immunology Program are to understand: (1) the fundamental molecular and cellular changes responsible for the decline in immune competence with age; (2) the relationship between immune dysfunction and age-related pathologies at the molecular, cellular, and organismic levels using human and animal models; (3) the development of replacement therapies and other treatment modalities to augment immune function; and (4) the application of new knowledge to clinically relevant situations involving elderly subjects.

- 2-5 NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE
DEADLINE OCTOBER 1, 1979

National Research Service Awards for Individual Postdoctoral Fellowships

Applicants must demonstrate an active interest in pursuing research on speech and language disorders in children with particular emphasis on determining brain behavior relationships for speech and language functioning in the following disorders: impaired speech and/or language development, infantile autism, dyslexia, and stuttering.

- 2-6 NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE
DEADLINE OCTOBER 1, 1979

National Research Services Awards for Individual Postdoctoral Fellowships

Applicants must have an active interest in clinical research in otolaryngology and prepare for training under the leadership of scientists qualified and willing to offer and direct appropriate clinical research training.

- 2-7 NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE
DEADLINE OCTOBER 1, 1979

Clinical Research Centers for Human Chemosensory Studies

The studies will be addressed to the problems of human taste and human smell. Chemosensory problems produced by therapeutic procedures, such as therapeutic drugs and chemotherapy, would be an area of immediate concern as would investigations of the prevalence, incidence, economic and quality of life consequences of olfactory and taste deficits in diseases (ageusia, dysgeusia, anosmia, and parosmia).

- 2-8 UNITED CEREBRAL PALSY RESEARCH AND EDUCATION FOUNDATION - DEADLINE
SEPTEMBER 1, 1979

Cerebral Palsy Research

Research with direct relation to the prevention and cure of cerebral palsy is supported by grants of amounts varying from \$2,500 to over \$60,000 yearly for up to three years and renewable for additional two years.

- 2-9 OFFICE OF HUMAN DEVELOPMENT SERVICES - DEADLINE SEPTEMBER 11, 1979

Administration for Children, Youth, and Families

The purpose of this program is to support: (1) special research or demonstration projects in the field of child welfare which are of regional or national significance; (2) special projects for the demonstration of new methods or facilities which show promise of substantial contribution to the advancement of child welfare; and (3) projects for the demonstration of the utilization of research (including findings resulting therefrom) in the field of child welfare in order to encourage experimental and special types of welfare services.

- 2-10 E.I. DU PONT DE NEMOURS AND COMPANY - NO DEADLINE

Science and Engineering

E. I. du Pont de Nemours and Company makes educational aid grants to help maintain excellent U.S. science and engineering research and engineering research and education, strengthen precollege level curricula and guidance, and improve the educational and social environment of the company. Amount varies. Grants are made at company initiative to academic departments or programs but not in response to specific research proposals.

- 2-11 GERMAN ACADEMIC EXCHANGE SERVICE - NO DEADLINE

Research Exchange Program

U.S. scholars with a Ph.D. are eligible for up to three months support for research projects performed in the Federal Republic of Germany. Amount: monthly allowance of DM up to 1900 plus DM 300 for travel within Germany.

- 2-12 GERMAN ACADEMIC EXCHANGE SERVICE - NO DEADLINE

Research Exchange Program

Qualified foreign students and graduates are offered scholarships for study or research at any Federal Republic of Germany university or research institute.

- 2-13 FOOD AND DRUG ADMINISTRATION - NO DEADLINE RFP 223-79-7050

Bacteria in Animals

A contractor to conduct a study comparing R-plasmids in Gram-positive bacteria from humans and from animals given subtherapeutic levels of antibiotics in animal feed is being sought. Study will consist of three phases: (1) drug-resistant human clinical staphylococci and streptococci will be compared with staphylococci and streptococci from animal isolates provided by FDA; (2) a controlled study will be carried out on swine fed tylosin, on environmental samples, and on caretakers; and (3) a short preliminary study will examine feasibility of implanting genetically marked streptococci harboring drug-resistant plasmids into the intestine (or staphylococci into the skin) of farm animals.

- 2-14 NATIONAL KIDNEY FOUNDATION, INC. DEADLINE OCTOBER 1, 1979

National Kidney Foundation's Research Fellowship

All approved fellowships will be funded at a stipend level of \$13,000 per annum. A precise description of the proposed research to be undertaken during the tenure of the fellowship should follow, and should include statements about the aims and significance of the project, the methods to be used, preliminary work of the applicant, and relevant research of others. Preference will be given to those individuals planning to pursue academic careers in this country in Kidney and Urologic-related areas.

- 2-15 NATIONAL ENDOWMENT FOR THE HUMANITIES - DEADLINE AUGUST 24, 1979

Media Program

The NEH is accepting applications for the Media Program. The program provides support for radio, television, and film projects that advance public understanding and use of the humanities. Grants are made primarily in the categories of: a) Development Grants, b) Pilot Grants, c) Production Grants and d) Planning Grants. Especially encouraged are applications which draw upon fields such as, anthropology, philosophy, archaeology and comparative religion. Priority is also given to projects which demonstrate the methodology of the humanities disciplines, not merely their subject matter.

- 2-16 FREEDOMS FOUNDATION AT VALLEY FORGE - DEADLINE SEPTEMBER 1, 1979

Freedoms Awards

Any full time faculty is eligible who conceives and conducts a significant and innovative classroom course or project which develops, principally among students, a better understanding and appreciation of America's private enterprise economic system.

2-17 EASTER SEAL RESEARCH FOUNDATION - DEADLINE SEPTEMBER 1, 1979

Grants for Research

The Foundation is concerned with the rehabilitation of the physically handicapped and the prevention and treatment of physical disabilities. Grants of \$15,000 to \$25,000 are awarded for cooperative research projects involving a university, medical school or research facility and an Easter Seal Society in a collaborative investigation.

2-18 NATIONAL ENDOWMENT FOR THE ARTS - DEADLINE SEPTEMBER 21, 1979

Fellowship Program

Three sessions of the National Endowment Fellowship Program are scheduled in 1980. The thirteen week sessions are designed to acquaint participants with the policies and operations of the Endowment and to help give them an overview of arts activities around the country. In addition to working as members of the Endowment's staff, fellows attend a series of seminars with members of the National Council on the Arts, Endowment panelists, artists, journalists, federal officials and leading arts administrators.

2-19 DEPARTMENT OF ENERGY - DEADLINE SEPTEMBER 13, 1979

University Coal Research Laboratories Program

The program objectives include:

(1) Establishment of a network of coal research laboratories at institutions of higher education which are committed to conducting coal research.

(2) Stimulation of coal research in institutions of higher education, with research in such areas as: coal resources assessment and development; underground coal mining; surface coal mining; coal beneficiation; coal mine safety; coal liquification; coal gasification; advanced power systems related to coal utilization; combustion of coal; materials and components related to coal; coal science and analysis; environmental control technology related to coal utilization; environmental and health impacts related to coal utilization; institutional impacts, effects, and barriers related to coal utilization.

(3) The training of advanced students and others through participation in coal-related research.

(4) The establishment of research programs for the characterization of coal in support of university coal research laboratories (UCL) research efforts.

(5) The promotion of exchange of coal research information.

The thirteen UCL's will constitute a national network of university coal research laboratories distributed geographically among the major coal provinces, with a minimum of ten of the thirteen located in states with abundant coal reserves.

2-20 NATIONAL INSTITUTES OF HEALTH - DEADLINE NOVEMBER 1, 1979

Research on Nutrition Related to Asian People

The National Institute of Arthritis, Metabolism, and Digestive Diseases; National Institute of Child Health and Human Development; National Institute of Allergy and Infectious Diseases; and National Cancer Institute of Allergy and Infectious Diseases; and National Cancer Institute are requesting basic and clinical research related to nutritional problems of importance to the health of Asian people. Proposals should relate to one of the following research areas: (1) Environmental and host factors affecting nutritional requirements (2) Iron deficiency (3) Nutrition and infection (4) Effects of nutrition on physical and mental development, behavior, physical capability and (5) Health consequences of different (and changing) dietary patterns and food habits.

2-21 NATIONAL INSTITUTE OF DENTAL RESEARCH DEADLINE NOVEMBER 15, 1979
RFA-NIDR-NCP-79-2

Streptococcal IgA Protease Activity in the Human Oral Cavity

Proposed studies should emphasize the streptococcal enzyme, secretory IgA of the mouth and factors which may influence their interaction in the human oral cavity.

2-22 NATIONAL HEART, LUNG, AND BLOOD INSTITUTE - DEADLINE DECEMBER 7, 1979

Specialized Centers of Research in Thrombosis NIH-NHLBI-DBDR-79-G-1

The objective is to focus resources, facilities, and manpower on the problem of thrombosis and related hemostatic mechanisms to expedite the development and application of new knowledge essential for improved diagnosis, treatments, and prevention.

2-23 NATIONAL INSTITUTES OF HEALTH - DEADLINE NOVEMBER 1, 1979

Behavioral Studies Related to Diabetes Mellitus

The program objective is to encourage and stimulate behavioral research into diabetes and to further define the scope, depth, and influence of the disease, thereby enhancing capabilities related to the prevention, diagnosis, treatment and control of diabetes and its complications.

2-24 NATIONAL SCIENCE FOUNDATION

Chautauqua-Type Short Courses

In August 1979, NSF will issue a Program Solicitation for proposals from colleges and universities wishing to operate Field Centers for holding Chautauqua-Type Short Courses, beginning with the series for the academic year 1980-1981.

The program is administered by the American Association for the Advancement of Science (AAAS) and colleges and universities which serve as field centers. Overall support is provided by NSF, including lodging and instructional materials. Participants or their institutions provide the costs of transportation, meals and incidental expenses.

- 2-25 NATIONAL SCIENCE FOUNDATION - DEADLINE AUGUST 22, 1979

Student Science Training Program

This program supports projects designed for high-ability senior high school students and may involve instruction, research participation, problem oriented studies or an appropriate blend of these. The goal of this program is to bring college teachers, research scientists, and engineers together with high-ability high school students for an education experience not available to them in the secondary schools. This year NSF plans to support a few experimental projects with junior high students.

- 2-26 NATIONAL SCIENCE FOUNDATION - DEADLINE OCTOBER 3, 1979

Local Course Improvement Program

The program is designed to support improvements in undergraduate science curriculum and to provide faculty with the opportunity to develop innovative teaching techniques. Eligible for support are projects involving activities in the mathematical, physical, biological, engineering and social sciences, as well as those examining the history and philosophy of science of interdisciplinary approaches.

- 2-27 NATIONAL INSTITUTE OF AGING - DEADLINE NOVEMBER 1, 1979

The Genetic Basis of Aging: Protozoa as Models

The goal of this program is to understand the biological and biochemical basis for individual and population senescence in protozoan model systems; that is, an understanding of either specific genes or regulatory processes which can influence senescence.

- 2-28 NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT - DEADLINE OCTOBER 15, 1979

Implication of International Migration for the United States

Research is desired to elucidate the factors and processes relating to the characteristics and consequences of immigration to the United States. Special interest is directed toward immigrants from Latin America and the Caribbean Basin, but applications are not limited to that area.

- 2-29 FOGARTY INTERNATIONAL CENTER - DEADLINE OCTOBER 1, 1979

Senior International Fellowships in Special Fields: Aging, Arthritis, Diabetes, Epilepsy, Tropical Diseases

Applicants must be U.S. citizens or permanent residents, be an experienced investigator at mid-career, hold a full-time staff position at a U.S. biomedical research or graduate-level educational institution, be nominated by that institution, and have an invitation by a foreign host institution.

- 2-30 NATIONAL INSTITUTE OF DENTAL RESEARCH DEADLINE OCTOBER 15, 1979
RFA-NIH-NIDR-NCP-79-1
- Research on the Immunological Cross-Reactions Between Streptococcus Mutans and Mammalian Tissues
- The purpose of this program is to study the nature and mechanisms of the immunological cross-reactions between S. mutans and mammalian tissues.
- 2-31 NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES - DEADLINE OCTOBER 15, 1979 RFA-NIH-NIAID-79-6
- New Investigator Research Awards in Tropical Diseases
- The program is designed to encourage new investigators in the discipline of tropical medicine to develop their research interests and capabilities with emphasis on malaria, schistosomiasis, filariasis, trypanosomiasis, leprosy, leishmaniasis, and the immunology of these diseases.
- 2-32 OFFICE OF HUMAN DEVELOPMENT SERVICES - DEADLINE OCTOBER 15, 1979
- Child Abuse and Neglect Research Project Grant
- This Office is seeking research on the needs and resources for child protection in residential institutions.
- 2-33 NATIONAL SCIENCE FOUNDATION - DEADLINES, PRELIMINARY IS SEPTEMBER 4, 1979
FORMAL PROPOSALS DUE: DECEMBER 1, 1979
- Ethics and Values in Science and Technology Program
- This program is interested in disciplinary and multidisciplinary research (case studies included), workshops of national scope, conferences and workshops, experimental workshops and other types of projects, projects of national scope, colloquia, and projects which lay a foundation for significant future work which will examine: (1) issues in the education and professional conduct of scientists and engineers; (2) issues of obligations and constraints associated with institutions and organizations; (3) issues associated with new developments in science and technology; (4) effects of changing ethical and social values and expectations upon scientific priorities and upon the conduct of scientific and technological activities; and (5) ethical issues and value assumptions in decisionmaking processes involving science and technology.
- 2-34 NATIONAL SCIENCE FOUNDATION - DEADLINE SEPTEMBER 4, 1979
- Research in Earth Sciences
- Geochemistry, Geology and Geophysics
- 2-35 NATIONAL SCIENCE FOUNDATION - DEADLINE SEPTEMBER 4, 1979
- Extramural Research: Policy Research and Analysis
- Environment, Energy, and Resources - Innovation Processes and their Management - Socioeconomic effects of Science and Technology - Technology Assessment

2-36 GRANT FOUNDATION - NO DEADLINE

Mental Development

Research into the development of children and youth, specifically development of the human mind.

2-37 FOUNDATION FOR MICROBIOLOGY - NO DEADLINE

Microbiology Research

Support is offered in the field of microbiology for lectureships, conferences, writings, etc. Special research and projects are also considered. Amount is from \$100 to \$20,000 per award.

2-38 CARNEGIE CORPORATION - NO DEADLINE

Education Grants

Grants are offered for research and demonstration projects, primarily in education from pre-school through higher education.

2-39 FANNIE E. RIPPEL FOUNDATION - NO DEADLINE

Institution Support

This Foundation supports grants to aid hospitals, organizations for the relief and care of aged women, and organizations for treatment of and/or research concerning heart disease and cancer. No grants to individual.

2-40 KELLOGG FOUNDATION - NO DEADLINE

Medical Education

Depending upon projects presented, grants in varying amounts are available to qualifying tax-exempt non-profit agencies and institutions concerned with improving professional education and services in medical fields and also educational and agricultural fields. Letter of intent must precede proposal.

2-41 ABBOTT LABORATORY - NO DEADLINE

Education

Abbott Laboratories Fund provides support for higher education and scientific research via educational institutions, major medical schools and national health and welfare organizations. Also match employee contributions up to \$500 to accredited four year colleges and universities and hospitals.

2-42 FORD FOUNDATION - DEADLINE SEPTEMBER 1, 1979

Population Research

The Ford Foundation seeks support for biomedical research and training in reproduction.